

Converting Colors

CIELCh(55, 71.995, 110.744)

Have a look what the booklet for
CIELCh(55, 71.995, 110.744)
contains.

CIELCh(55, 63.428, 112.445)	3
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Color

CIELCh(55, 63.428, 112.445)

Conversions

Conversions Part 1

Format	Color
Hex	768D00
RGB	118, 141, 0
RGB Percent	46%, 55%, 0%
CMY	0.5369, 0.4467, 0.9994
CMYK	0.16, 0.00, 1.00, 0.45
HSL	70°, 100%, 28%
HSV	70°, 100%, 55%
XYZ	17.0190, 22.9298, 3.5330
YIQ	118.0490, 31.5530, -48.7270

Conversions

Conversions Part 2

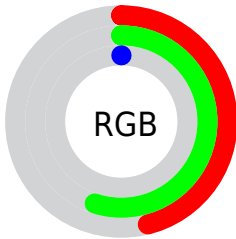
Format	Color
RYB	0, 141, 23
Decimal	7769344
CIELab	55.00, -24.22, 58.62
CIElCh	55, 63.428, 112.445
Yxy	22.9298, 0.3914, 0.5273
Android (android.graphics.Color)	4285959424 (0xFF768D00)
YUV	118.0490, -58.1982, -0.0430
Hunter-Lab	47.8851, -20.3577, 29.1451

Details

The CIELCh color **55, 63.428, 112.445** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **16, 84.968, 307.096**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 63.476, 112.452**, and **35, 47.686, 118.211** is the 20% darker color. If you saturate the color by 10%, you get **55, 63.455, 112.450**, and if you desaturate by 10%, it is **55, 60.912, 112.094**.

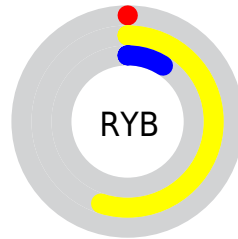
Distribution



Red (46%)

Green (55%)

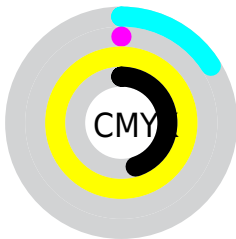
Blue (0%)



Red (0%)

Yellow (55%)

Blue (9%)

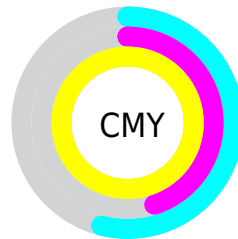


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (54%)


Magenta (45%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 63.428, 112.445 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 55, 63.428, 112.445 by changing the saturation by 10% instead.

 55, 63.428,
112.445


 55, 63.428,
112.445


 100, 63.428,
112.445

 45, 63.428,
112.445


 75, 63.428,
112.445

 35, 63.428,
112.445

 85, 63.428,
112.445

 25, 63.428,
112.445

 95, 63.428,
112.445

 15, 63.428,
112.445

 5, 63.428, 112.445

 0, 63.428, 112.445

■ 55, 63.428,
112.445

■ 55, 63.428,
112.445

■ 55, 63.455,
112.450

■ 55, 60.912,
112.094

■ 55, 57.222,
111.981

■ 56, 52.110,
112.164

■ 56, 45.920,
112.568

■ 56, 38.987,
113.120

■ 57, 31.570,
113.762

■ 57, 23.850,
114.455

■ 58, 15.950,

115.167

■ 58, 7.950, 115.880

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55, 63.428, 112.445



16, 84.968, 307.096

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55, 63.428, 112.445



55, 63.428, 162.445



55, 63.428, 292.445



55, 63.428, 342.445

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55, 63.428, 112.447



73, 29.663, 114.402



30, 64.075, 42.049



38, 20.112, 114.143



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 63.428, 112.447



70, 77.079, 112.645



52, 73.079, 131.834



30, 4.583, 115.930



53, 61.499, 112.414



2, 3.108, 116.570

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16, 84.968, 307.096



23, 103.415, 306.978



24, 77.667, 316.061



28, 4.676, 297.249



15, 82.389, 307.131



0, 3.109, 296.570

Previews

White Background



This preview shows how the CIELCh color 55, 63.428, 112.445 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 55, 63.428, 112.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 63.428, 112.445

Background



This preview shows how black text looks on a background with the CIELCh color 55, 63.428, 112.445.



This preview shows how white text looks on a background with the CIELCh color 55, 63.428, 112.445.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


55, 63.428, 112.445

Protanopia

55, 59.963, 95.523

Deuteranopia

55, 55.641, 82.792



Tritanopia
55, 5.787, 283.304

Trichromacy



Original Color
55, 63.428, 112.445

Protanomaly
55, 60.418, 101.954

Deuteranomaly
55, 56.874, 94.505

Tritanomaly
54, 25.778, 116.727

Monochromacy



Original Color
55, 63.428, 112.445

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 29.176, 113.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 63.428, 112.445 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 141, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 141, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 63.428, 112.445 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 141, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(118, 141, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(118, 141, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 141,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 63.428, 112.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 141, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118,  
141, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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